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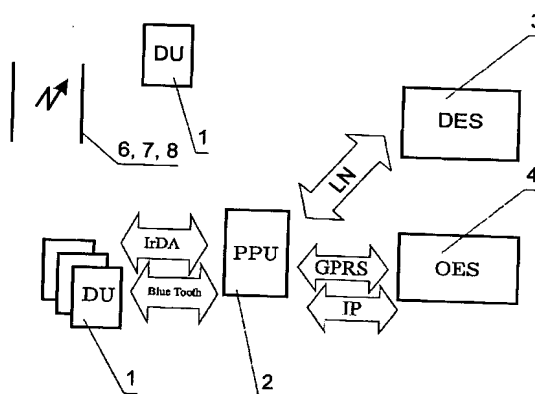
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(54) Title: SYSTEM AND DEVICE FOR OBJECT DETECTION AND IDENTIFICATION USING GAMMA, X-RAY AND/OR NEUTRON RADIATION



(57) Abstract: The invention belongs to systems of identification of remote objects by detecting gamma, X-ray and neutron radiations, particularly, to systems allowing to identify objects that are concealed or forbidden to transfer, for example, at customs, checkpoints etc.. The task of the present invention is to create mobile and simultaneously high capacity objects monitoring and identification system. Moreover, invention task is to make it possible to develop distributed multilevel system, as for departmental usage, and open system for common usage. The set problem is solved by that the detection unit is made separately with a micro controller and data transfer device, the preprocessing unit is supplied with a channel for data acquisition from detection unit, and processor, and display unit and two-way channel of communication with object identification expert system. The set problem is solved by that is preprocessing unit/units, and second part is expert system, that in case of need can connected by communication channel with the first part, and is located separately with all preprocessing devices service capability.

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